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In the claims:

Please amend the claims as shown below:

- 5 1. (Currently amended) A method for the production of cellulose pulp, comprising:  
~~in which providing an amount of~~ wood raw material that principally consists of softwood, ~~preferably in the form of chopped wood chips, is treated in several stages in various treatment steps,~~  
10 ~~whereby one of the stages comprises~~ cooking the material in an alkali cooking fluid, with the aim of obtaining improved quality with respect to tensile strength and of obtaining higher yield, and  
~~characterised by the controlled addition of in a~~  
15 ~~controlled manner adding hardwood raw material in the form of hardwood at~~ in an amount corresponding to 1-20% of the amount of softwood, ~~preferably 3-15%, and more preferably at least 5%.~~
- 20 2. (Currently amended) The method according to claim 1, ~~characterised in that the said wherein the~~ hardwood is added and mixed with the ~~said softwood in the form of~~ that is provided as wood chips.
- 25 3. (Currently amended) The method according to claim 2, ~~characterised in that the said wherein the~~ mixing takes place in a chip bin.
- 30 4. (Currently amended) The method according to claim 1, ~~characterised in that the said wherein the~~ hardwood is added to and mixed with the ~~said softwood, in the form of the hardwood is provided as~~ a finely divided fraction, ~~whereby the said the~~ finely divided fraction ~~preferably~~ is added after an impregnation stage.

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5. (Currently amended) The method according to claim 4, ~~characterised in that~~ wherein the cooking takes place continuously, and ~~that the said~~ the finely divided fraction is added at ~~the~~ a top of the a continuous digester at ~~the input,~~ such that mixing is achieved before entry to a first cooking zone.

6. (Currently amended) The method according to claim 4, ~~characterised in that~~ wherein the cooking takes place continuously and ~~that the said~~ the finely divided fraction is added to the a continuous digester by means of at least one fluid flow that adds and/or recirculates fluid to a cooking zone, such that mixing is achieved after entry to a first cooking zone.

7. (Currently amended) The method according to claim 6, ~~characterised in that~~ wherein at least parts of the ~~said~~ finely divided fraction are added by means of a flow of white liquor addition.

8. (Currently amended) The method according to claim 6 ~~or 7,~~ ~~characterised in that the said~~ wherein the flow is delivered at the an upper part of the digester, ~~preferably closer to the top of the digester than to its midsection.~~

9. (Currently amended) The method according to claim 1, ~~characterised in that the said~~ wherein the hardwood is added to and mixed with the ~~said~~ softwood ~~in the form of the hardwood is provided as logs,~~ after which the wood raw material is converted to chips.

10. (Currently amended) The method according to ~~any one of the preceding claims,~~ ~~characterised in that the said~~ claim 1 wherein the hardwood is pre-treated with alkali

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before ~~it~~ the hardwood is added to and mixed with the softwood.

- 5 11. (Currently amended) The method according to claim 10, ~~e~~  
~~h a r a c t e r i s e d i n t h a t t h e s a i d~~ wherein the  
pre-treatment takes place at an elevated temperature,  
~~preferably at a temperature of 80-160°C, and more preferably~~  
~~100-140°C.~~
- 10 12. (Currently amended) A cooking system for the production  
of cellulose pulp, in which a wood raw material that  
primarily consists of softwood is treated in several stages,  
comprising:  
a raw material preparation unit (1),  
15 a raw material storage (10; 7) being downstream of the raw  
material preparation unit, and  
a cooking plant (15, 19) being downstream of the raw material  
storage, and  
~~e h a r a c t e r i s e d~~ by a control system (6) being  
20 upstream of the raw material preparation unit, the control  
system regulating an inflow of hardwood and softwood into the  
raw material preparation unit so that an outflow of cellulose  
pulp from an outlet of a digester contains 1-20% of hardwood  
fibers and 80-99% of softwood fibers.  
25 ~~that regulates a controlled addition of wood raw material in~~  
~~the form of hardwood, such that the cellulose pulp produced~~  
~~at the outlet from the digester (19) will contain 1-20% of~~  
~~hardwood fibres and 80-99% of softwood fibres.~~
- 30 13. (Currently amended) The cooking system ~~for the~~  
~~production of cellulose pulp according to claim 12,~~  
~~e h a r a c t e r i s e d i n t h a t t h e s a i d~~ according to  
claim 12 wherein the control system (6) is arranged to  
control the ~~input~~ inflow to the ~~said~~ raw material preparation  
35 unit (1), ~~such that the fibre~~ so that fiber raw materials

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stored in the raw material storage (10) contains 1-20% hardwood and 80-99% softwood.

14. (Currently amended) The cooking system ~~for the production~~  
5 ~~of cellulose pulp~~ according to claim 12,  
~~characterised in that the said wherein the~~ raw  
materials storage (10; 7) comprises has at least two separate  
storage spaces (10, 7; 1A', 1B'), ~~whereby at least one is~~  
10 ~~intended for hardwood raw material and at least one other is~~  
~~intended for softwood raw material, and in that the said~~  
so that one storage space is for hardwood raw material and  
one storage space is for softwood raw material, the control  
system (6) is in operative engagement with the raw material  
15 preparation unit and regulates the a flow from the said  
storage spaces such that 1-20% controlled addition of  
hardwood takes place before and/or during the a cooking  
stage.

15. (Currently amended) The cooking system ~~for the production~~  
20 ~~of cellulose pulp~~ according to claim 14,  
~~characterised in that the said wherein the~~  
cooking system has comprises a continuous cooking plant (15,  
19), ~~whereby means (4, 10; 5, 10) are arranged that ensure~~  
~~that the said for ensuring that the~~ flow of hardwood is  
25 delivered to a chip chute (11).

16. (Currently amended) The cooking system ~~for the~~  
~~production of cellulose pulp~~ according to claim 14,  
~~characterised in that the said wherein the~~  
30 ~~cooking system has comprises a continuous cooking plant (15,~~  
19), ~~whereby means (9) are arranged that ensure that the said~~  
for ensuring that the flow of hardwood is delivered at the  
input, preferably at the a top (18), of the digester (19).

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17. (Currently amended) The cooking system ~~for the~~  
~~production of cellulose pulp~~ according to claim 14,  
~~characterised in that the said wherein the~~  
cooking system has ~~comprises a continuous cooking plant (15,~~  
5 ~~19), whereby~~ means (8) ~~are arranged that ensure~~ for ensuring  
that the ~~said~~ flow of hardwood is delivered to a fluid line  
(21) arranged at the digester (19).